

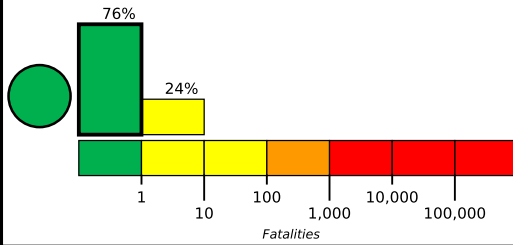
M 5.4, 212km SE of Hihifo, Tonga

Origin Time: 2020-01-01 08:31:23 UTC (Tue 21:31:23 local)

Location: 17.3521° S 172.3880° W Depth: 10.0 km

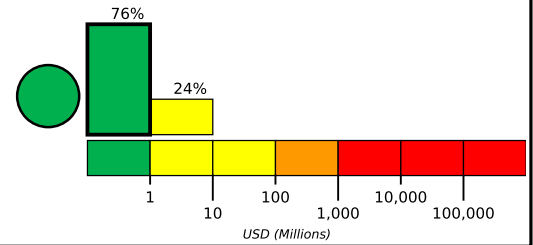
Created: 2 hours, 1 minute after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

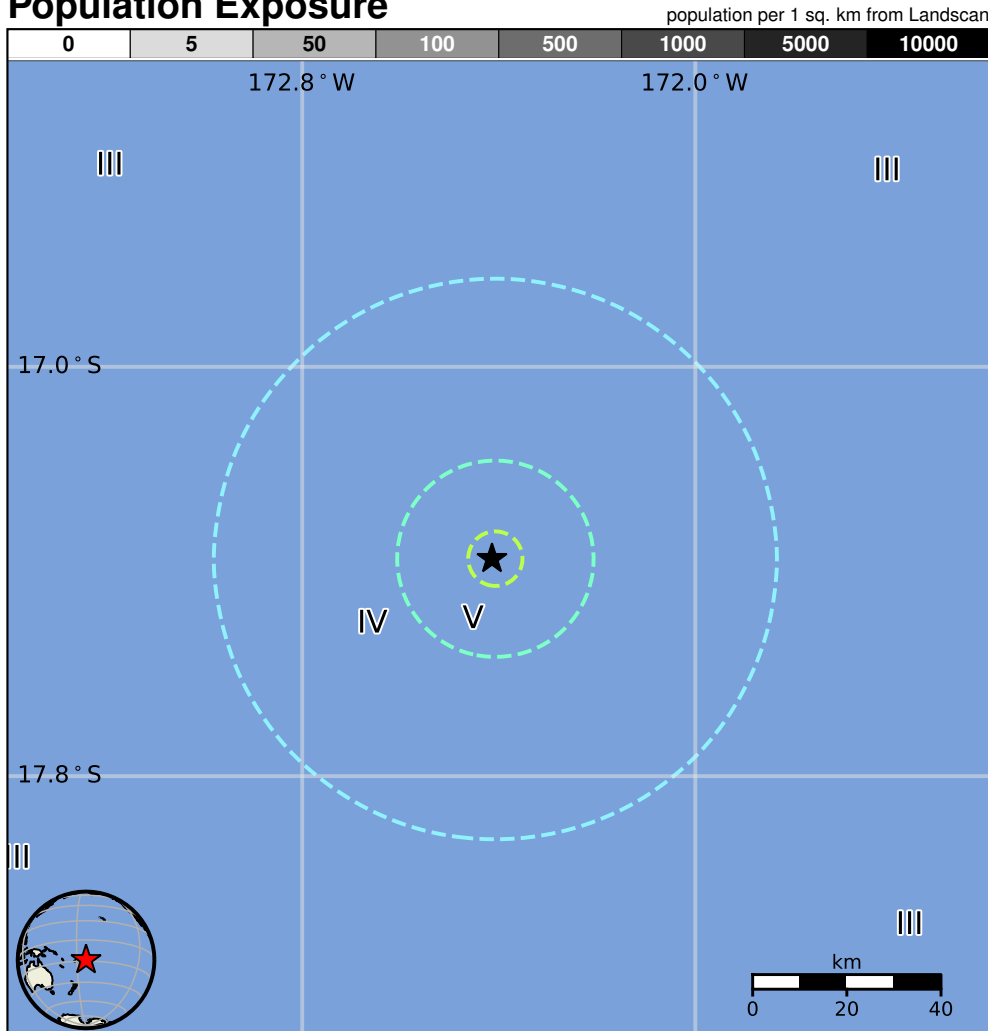


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | —* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|--------|-------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

There are likely to be no affected structures in this region.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2006-09-28 | 95 | 6.9 | IV(197k) | 0 |
| 1999-01-05 | 207 | 5.9 | VII(15k) | — |
| 2006-05-03 | 359 | 8.0 | VIII(7k) | 0 |

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|------|------------|
|-----|------|------------|

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70006t3c#pager>

Event ID: us70006t3c